



The Andhra Pradesh State Co-operative Bank Ltd.,

(State Govt. Partnered Scheduled Bank)

#27-29-28, NTR Sahakar Bhavan, Governorpet, Vijayawada-520 002.

Ph:27687472,;Information Technology Department

[url:http://apcob.org](http://apcob.org)

RFP Ref No: 1/APCOB/Hardware-UPS/2018-19

Date: 02.04.2018

SHORT TENDER NOTICE **Purchase of UPS and Batteries for APCOB**

1. Preface

The Andhra Pradesh State Co-operative Bank Limited (APCOB) is one of the respected and leading Banks in Andhra Pradesh with 15+ Branches in and around New Capital City. The Bank is planning to procure UPS and Batteries for its new Branches and ATM's.

2. Objective of the RFP:

APCOB is issuing this Request for proposal Document, hereinafter called as a Tender, to vendors who are eligible to participate in the competitive Tendering for providing UPS devices and Batteries.

3. Bid Submission:

Technical bid and commercial bid should be separated and should clearly indicate the tender reference number and description of the bid (ex. On top of the cover the reference number should be mentioned and stating that it commercial or technical.)

Once the technical evaluation is completed, the commercial bids opening will be performed only for technically qualified bids (vendors).

Bank reserves the rights for any changes in the tender like changes in bids notification, bids opening, evaluation of bids and vendors etc.

Tender Reference Number	1/APCOB/Hardware-UPS/2018-19
Start Date for Submission of Proposal	Date : 03.04.2018
Last Date for Submission of Proposal	Date and Time: 06.04.2018 04:00 PM
Technical bids opening	Date and Time: 09.04.2018 01:00 PM
Commercial Bids opening	Date and Time: 10.04.2018 10:00 AM
Website to Download the requirements	https://www.apcob.org/
Contact person at APCOB	B Ramachandraiah Deputy General Manager(IT) Mobile:9951904488 Email: ramachandraiahb@apcob.org

Consolidate Requirement:

S. No.	Product	
1.	2 KVA/3KVA UPS with Batteries (12V/42 AH)	8-Batteries
2.	5 KVA UPS with Batteries (12V/65 AH)	16-Batteries

SPECIFICATIONS 2Kva & 3Kva UPS System

Phase	Single Phase In Single Out	
Capacity	2000VA/1600W	3000VA/2400W
INPUT		
Nominal Voltage	200/208/220/230/240Vac	
Input Voltage Range	110-300VAC(Based on load @ 50%) 160-280VAC(Based on load @ 100%)	
Frequency Range	40-70Hz	
Power Factor	≥ 0.99 @ Nominal Voltage(100% Load)	
OUTPUT		
Output Voltage	200/208/220/230/240Vac	
Voltage Regulation	±1	
Frequency Range (Synchronized Range)	47-53Hz / 57-63Hz	
Frequency Range (Batt.Mode)	50Hz±0.25 / 60Hz±0.3	
Crest Factor	3:1	
Harmonic Distortion	≤ 3% THD (Linear Mode) ≤ 6% THD (Non-Linear Mode)	
TRANSFER TIME		
Ac mode to Battery mode	Zero	
Inverter to Bypass	4ms Typical	
Wave form	Pure Sine wave	
EFFICIENCY		
Overall Efficiency	> 90%	
BATTERY		
No of Batteries	6/8 selectable	
Charging Current	1A/2A//4A/6A Adjustable	
INDICATORS		
Load Level, Battery Level, Battery Mode, Bypass Mode and Fault Indicators		
ALARM		
Battery Mode	Sounding every 4 sec	
Low Battery	Sounding Every second	
Over Load	Sounding Twice every second	
Fault	Continuously sounding	
PHYSICAL		
Dimension DXWXH mm	397x145x220 mm	
Net weight .kg	2KVA-6.8Kg , 3KVA-9.7Kg	
ENVIRONMENT		

Specifications for UPS:**TECHNICAL SPECIFICATIONS-5KVA**

Operation Humidity	20-90%, RH @ 0-40deg.C (Non-condensing)
Noise Level	Less than 50dBA @ 1meter
MANAGEMENT	
Smart RS-232/USB	Supports* windows 2008/2012/7/8/10, Linux, Unix and MAC
Optional SNMP	Power Management from SNMP manager and Web Browser
STANDARDS	IP20,IEC62040-3,EN62040-1,2. COMPLIANCE:CE/ROHS
Capacity	5KVA/192V
New Generation PFC Online.1 Phase In - 1 Phase Out UPS	
Pure sine wave output	
Built-In Isolation Transformer	
Option for Ethernet Connectivity	
IGBT Based Charger	
Typical applications	
With 16 nosof Exide/Amaron-Quanta 12V/65AH SMF Batteries with necessary battery rack and cables to provide 4 hrs backup	
Input	
Voltage Range	160-280V
Frequency	50Hz±5%
Power Factor	0.85
Charger Topology	Buck
Connection Type	Terminal Block
Max.Input Current	60A
Output	
Voltage	220V/230V
Power Factor	0.8
Efficiency (AC to AC)	>85% @ Full load
Frequency	50Hz
Waveform	Pure Sinewave
Transient Response	<8 (10%-90%) Linear Load
Voltage Harmonics	<3% (Linear Load)
Over Load Capacity	100-110% ; 5 minutes,110-120% ; 2 minutes, 120-150% ; 30 sec, 150-200% ;1 sec, 200 to 300% ; 50 msec and >300% ; 20 msec
Crest Factor	03:01
Voltage Regulation	±1%
Frequency Regulation	±0.05%
Connection type	Terminal Block
Audible Warning	
Over Load	Yes
Battery backup ending	Yes
Indications	
LED	UPS On # Battery High/ Low # Output High/Low # Charging On # Mains High /Low
Voltage (7-Segment)	Output Voltage

Warranty

A minimum of 2 years on UPS and batteries which should be followed by 2 years AMC after the expiry of warranty period

Other Terms and Conditions:

- UPS must be mandatorily, Isolated Transformer based.
- The requirement of the Hardware is for APCOB Branches and RFP is for one of the branch and ATM's, but Rate contract would be for entire APCOB.
- Rate contract would be on Base Unit and would be for a period of 1 year.
- Taxes will be applicable when PO will be released.
- 90% of the payment will be released against delivery and successful installation of all listed equipment and 10% of the payment will be released against performance bank guarantee for the same value or will be released after 6 Months from the date of invoice.
- The Tender application fee of Rs. 5000/- (Non-refundable) and payable by way of DD/BC in favour of The Andhra Pradesh State Cooperative Bank Ltd.,
- **Manufacturer Authorization Form is Mandatory.**

Sd/-

Chief Information Officer